

*Trailer* means a motor vehicle with or without motive power, designed for carrying persons or property and for being drawn by another motor vehicle.

*Trailer converter dolly* means a trailer chassis equipped with one or more axles, a lower half of a fifth wheel and a drawbar.

*Truck* means a motor vehicle with motive power, except a trailer, designed primarily for the transportation of property or special purpose equipment.

*Truck tractor* means a truck designed primarily for drawing other motor vehicles and not so constructed as to carry a load other than a part of the weight of the vehicle and the load so drawn.

*Unloaded vehicle weight* means the weight of a vehicle with maximum capacity of all fluids necessary for operation of the vehicle, but without cargo, occupants, or accessories that are ordinarily removed from the vehicle when they are not in use.

*95th percentile adult male* means a person possessing the dimensions and weight of the 95th percentile adult male specified "Weight, Height, and Selected Body Dimensions of Adults: United States—1960-1962," first published as Public Health Service Publication No. 1000 Series 11-No. 8, June 1965 and republished as DHEW Publication No. (HRA) 76-1074 (incorporated by reference, see § 571.5).

*Vehicle fuel tank capacity* means the tank's unusable capacity (i.e., the volume of fuel left at the bottom of the tank when the vehicle's fuel pump can no longer draw fuel from the tank) plus its usable capacity (i.e., the volume of fuel that can be pumped into the tank through the filler pipe with the vehicle on a level surface and with the unusable capacity already in the tank). The term does not include the vapor volume of the tank (i.e., the space above the fuel tank filler neck) nor the volume of the fuel tank filler neck.

[33 FR 19703, Dec. 25, 1968. Redesignated at 35 FR 5118, Mar. 26, 1970]

EDITORIAL NOTE: For FEDERAL REGISTER citations affecting § 571.3, see the List of CFR Sections Affected, which appears in the Finding Aids section of the printed volume and at [www.fdsys.gov](http://www.fdsys.gov).

#### § 571.4 Explanation of usage.

The word *any*, used in connection with a range of values or set of items in the requirements, conditions, and procedures of the standards or regulations in this chapter, means generally the totality of the items or values, any one of which may be selected by the Administration for testing, except where clearly specified otherwise.

*Examples:* "The vehicle shall meet the requirements of S4.1 when tested at any point between 18 and 22 inches above the ground." This means that the vehicle must be capable of meeting the specified requirements at every point between 18 and 22 inches above the ground. The test in question for a given vehicle may call for a single test (a single impact, for example), but the vehicle must meet the requirement at whatever point the Administration selects, within the specified range.

"Each tire shall be capable of meeting the requirements of this standard when mounted on any rim specified by the manufacturer as suitable for use with that tire." This means that, where the manufacturer specifies more than one rim as suitable for use with a tire, the tire must meet the requirements with whatever rim the Administration selects from the specified group.

"Any one of the items listed below may, at the option of the manufacturer, be substituted for the hardware specified in S4.1." Here the wording clearly indicates that the selection of items is at the manufacturer's option.

[36 FR 2511, Feb. 5, 1971]

#### § 571.5 Matter incorporated by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register under 5 U.S.C. 552(a) and 1 CFR part 51. To enforce any edition other than that specified in this section, the National Highway Traffic Safety Administration (NHTSA) must publish notice of change in the FEDERAL REGISTER and the material must be available to the public. All approved material is available for inspection at NHTSA, 1200 New Jersey Avenue SE., Washington, DC 20590, and at the National Archives and Records Administration (NARA). For information on the availability of this material at NHTSA, or if you experience difficulty obtaining the standards referenced

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below, contact NHTSA Office of Technical Information Services, phone number (202) 366-2588. For information on the availability of this material at NARA, call (202) 741-6030, or go to: <http://www.archives.gov/federal-register/cfr/ibr-locations.html>.

(b) American Association of Textile Chemists and Colorists (AATCC), 1 Davis Dr., P.O. Box 12215, Research Triangle Park, NC 27709. Web site: <http://www.aatcc.org>.

(1) AATCC Test Method 30-1981, "Fungicides, Evaluation on Textiles: Mildew and Rot Resistance of Textiles," into §571.209.

(2) AATCC Gray Scale for Evaluating Change in Color into §§571.209; 571.213.

(c) American National Standards Institute (ANSI), 1899 L St., NW., 11th floor, Washington, DC 20036. Telephone: (202) 293-8020; Fax: (202) 293-9287; Web site: <http://www.ansi.org>. Copies of ANSI/RESNA Standard WC/Vol.1-1998 Section 13 may also be obtained from Rehabilitation Engineering and Assistive Technology Society of North America (RESNA), 1700 North Moore St., Suite 1540, Arlington, VA 22209-1903. Telephone: (703) 524-6686; Web site <http://www.resna.org>.

(1) ANSI Z26.1-1977, "Safety Code for Safety Glazing Materials for Glazing Motor Vehicles Operating on Land Highways," approved January 26, 1977, into §571.205(a).

(2) ANSI Z26.1a-1980, "Safety Code for Safety Glazing Materials for Glazing Motor Vehicles Operating on Land Highways," approved July 3, 1980, into §571.205(a).

(3) ANSI/SAE Z26.1-1996, "American National Standard for Safety Glazing Materials for Glazing Motor Vehicles and Motor Vehicle Equipment Operating on Land Highways-Safety Standard," approved August 11, 1997, into §571.205.

(4) ANSI/RESNA Standard WC/Vol. 1-1998, Section 13, "Wheelchairs: Determination of Coefficient of Friction of Test Surfaces," into §571.403.

(d) ASTM International, 100 Barr Harbor Drive, PO Box C700, West Conshohocken, PA 19428-2959. Telephone: (610) 832-9500; Fax (610) 832-9555; Web site: <http://www.astm.org>.

(1) 1985 Annual Book of ASTM Standards, Vol. 05.04, "Test Methods for Rat-

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ing Motor, Diesel, Aviation Fuels, A2. Reference Materials and Blending Accessories, ("ASTM Motor Fuels section"), A2.3.2, A2.3.3, and A2.7, into §§571.108; 571.205(a).

(2) ASTM B117-64, "Standard Method of Salt Spray (Fog) Testing," revised 1964, into §571.125.

(3) ASTM B117-73 (Reapproved 1979), "Standard Method of Salt Spray (Fog) Testing," approved March 29, 1973, into §§571.108; 571.209.

(4) ASTM B117-97, "Standard Practice for Operating Salt Spray (Fog) Apparatus," approved April 10, 1997, into §571.403.

(5) ASTM B117-03, "Standard Practice for Operating Salt Spray (Fog) Apparatus," approved October 1, 2003, into §571.106.

(6) ASTM B456-79, "Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium," approved January 26, 1979, into §571.209.

(7) ASTM B456-95, "Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium," approved October 10, 1995, into §571.403.

(8) ASTM C150-56, "Standard Specification for Portland Cement," approved 1956, into §571.108.

(9) ASTM C150-77, "Standard Specification for Portland Cement," approved February 26, 1977, into §571.108.

(10) ASTM D362-84, "Standard Specification for Industrial Grade Toluene," approved March 30, 1984, into §§571.108; 571.205(a).

(11) ASTM D445-65, "Standard Method of Test for Viscosity of Transparent and Opaque Liquids (Kinematic and Dynamic Viscosities)," approved August 31, 1965, into §571.116.

(12) ASTM D471-98, "Standard Test Method for Rubber Property—Effect of Liquids," approved November 10, 1998, into §571.106.

(13) ASTM D484-71, "Standard Specification for Hydrocarbon Drycleaning Solvents," effective September 15, 1971, into §571.301.

(14) ASTM D756-78, "Standard Practice for Determination of Weight and Shape Changes of Plastics under Accelerated Service Conditions," approved July 28, 1978, into §571.209.

(15) ASTM D1003-92, "Standard Test Method for Haze and Luminous Transmittance of Transparent Plastics," approved October 15, 1992, into §571.108.

(16) ASTM D1121-67, "Standard Method of Test for Reserve Alkalinity of Engine Antifreezes and Antirusts," accepted June 12, 1967, into §571.116.

(17) ASTM D1123-59, "Standard Method of Test for Water in Concentrated Engine Antifreezes by the Iodine Reagent Method," revised 1959, into §571.116.

(18) ASTM D1193-70, "Standard Specification for Reagent Water," effective October 2, 1970, into §571.116.

(19) ASTM D1415-68, "Standard Method of Test for International Hardness of Vulcanized Natural and Synthetic Rubbers," accepted February 14, 1968, into §571.116.

(20) ASTM D2515-66, "Standard Specification for Kinematic Glass Viscosimeters," adopted 1966, into §571.116.

(21) ASTM D4329-99, "Standard Practice for Fluorescent UV Exposure of Plastics," approved January 10, 1999, into §571.106.

(22) ASTM D4956-90, "Standard Specification for Retroreflective Sheeting for Traffic Control," approved October 26, 1990, into §571.108.

(23) ASTM E1-68, "Standard Specifications for ASTM Thermometers" (including tentative revisions), accepted September 13, 1968, into §571.116.

(24) ASTM E4-79, "Standard Methods of Load Verification of Testing Machines," approved June 11, 1979, into §571.209.

(25) ASTM E4-03, "Standard Practices for Force Verification of Testing Machines," approved August 10, 2003, into §571.106.

(26) ASTM E8-89, "Standard Test Methods of Tension Testing of Metallic Materials," approved May 15, 1989, into §571.221.

(27) ASTM E77-66, "Standard Method for Inspection, Test, and Standardization of Etched-Stem Liquid-in-Glass Thermometers," revised 1966, into §571.116.

(28) ASTM E274-65T, "Tentative Method of Test for Skid Resistance of Pavements Using a Two-Wheel Trailer," issued 1965, into §571.208.

(29) ASTM E274-70, "Standard Method of Test for Skid Resistance of Paved Surfaces Using a Full-Scale Tire," effective October 2, 1970, into §§571.105; 571.122.

(30) ASTM E298-68, "Standard Methods for Assay of Organic Peroxides," effective September 13, 1968, into §571.116.

(31) ASTM E308-66, "Standard Practice for Spectrophotometry and Description of Color in CIE 1931 System," reapproved 1981, into §571.108.

(32) ASTM E1136-93 (Reapproved 2003), "Standard Specification for a Radial Standard Reference Test Tire," approved March 15, 1993, into §§571.105; 571.121; 571.126; 571.135; 571.139; 571.500.

(33) ASTM E1337-90 (Reapproved 2008), "Standard Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using a Standard Reference Test Tire," approved June 1, 2008, into §§571.105; 571.121; 571.126; 571.135; 571.500.

(34) ASTM F1805-00, "Standard Test Method for Single Wheel Driving Traction in a Straight Line on Snow- and Ice-Covered Surfaces," approved November 10, 2000, into §571.139.

(35) ASTM G23-81, "Standard Practice for Generating Light-Exposure Apparatus (Carbon-Arc Type) With and Without Water for Exposure of Non-metallic Materials," approved March 26, 1981, into §571.209.

(36) ASTM G151-97, "Standard Practice for Exposing Nonmetallic Materials in Accelerated Test Devices that Use Laboratory Light Sources," approved July 10, 1997, into §571.106.

(37) ASTM G154-00, "Standard Practice for Operating Fluorescent Light Apparatus for UV Exposure of Non-metallic Materials," approved February 10, 2000, into §571.106.

(e) Department of Defense, DODSSP Standardization Document Order Desk, 700 Robbins Ave., Philadelphia, PA 19111-5098. Web site: <http://dodssp.daps.dla.mil/>.

(1) MIL-S-13192, "Military Specification, Shoes, Men's, Dress, Oxford," October 30, 1976, into §571.214.

(2) MIL-S-13192P, "Military Specification, Shoes, Men's, Dress, Oxford," 1988, including Amendment 1, October 14, 1994, into §571.208.

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(3) MIL-S-21711E, "Military Specification, Shoes, Women's," 3 December 1982, including Amendment 2, October 14, 1994, into §§ 571.208; 571.214.

(f) General Services Administration (GSA), Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Telephone: (202) 512-1800; Web site: <http://www.gsa.gov>.

(1) GSA Federal Specification L-S-300, "Sheeting and Tape, Reflective; Nonexposed Lens, Adhesive Backing," September 7, 1965, into § 571.108.

(2) [Reserved]

(g) Illuminating Engineering Society of North America (IES), 120 Wall St., 7th Floor, New York, NY 10005-4001. Telephone: (212) 248-5000; Web site: <http://www.iesna.org>.

(1) IES LM 45, "IES Approved Method for Electrical and Photometric Measurements of General Service Incandescent Filament Lamps," approved April 1980, into § 571.108.

(2) [Reserved]

(h) International Commission on Illumination (CIE), CIE Central Bureau, Kegelgasse 27, A-1030 Vienna, Austria. <http://www.cie.co.at>.

(1) CIE 1931 Chromaticity Diagram, developed 1931, into § 571.108.

(2) [Reserved]

(i) National Center for Health Statistics, Centers for Disease Control (CDC), National Division for Health Statistics, Division of Data Services, Hyattsville, MD 20782. Telephone: 1 (800) 232-4636. Web site: <http://www.cdc.gov/nchs>.

(1) DHEW Publication No. (HRA) 76-1074, "Weight, Height, and Selected Body Dimensions of Adults: United States—1960-1962," first published as Public Health Service Publication No. 1000 Series 11-No. 8, June 1965, into § 571.3.

(2) [Reserved]

(j) National Highway Traffic Safety Administration (NHTSA), 1200 New Jersey Ave. SE., Washington, DC 20590. Web site: <http://www.nhtsa.gov>.

(1) Drawing Package, "NHTSA Standard Seat Assembly; FMVSS No. 213, No. NHTSA-213-2003," (consisting of drawings and a bill of materials), June 3, 2003, into § 571.213.

(2) Drawing Package, SAS-100-1000, Standard Seat Belt Assembly with Addendum A, Seat Base Weldment (con-

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sisting of drawings and a bill of materials), October 23, 1998, into § 571.213.

(3) "Parts List; Ejection Mitigation Headform Drawing Package," December 2010, into § 571.226.

(4) "Parts List and Drawings; Ejection Mitigation Headform Drawing Package" December 2010, into § 571.226.

(k) SAE International, 400 Commonwealth Drive, Warrendale, PA 15096. Telephone: (724) 776-4841; Web site: <http://www.sae.org>.

(1) SAE Recommended Practice J100-1995, "Class 'A' Vehicle Glazing Shade Bands," revised June 1995, into § 571.205.

(2) SAE Recommended Practice J211a, "Instrumentation for Impact Tests," revised December 1971, into § 571.222.

(3) SAE Recommended Practice J211, "Instrumentation for Impact Tests," revised June 1980, into §§ 571.213; 571.218.

(4) SAE Recommended Practice J211/1 MAR95, "Instrumentation for Impact Test—Part 1—Electronic Instrumentation," revised March 1995, into §§ 571.202a; 571.208; 571.403.

(5) SAE Recommended Practice J211-1 DEC2003, "Instrumentation for Impact Test—Part 1—Electronic Instrumentation," revised December 2003, into §§ 571.206; 571.209.

(6) SAE Recommended Practice J227a, "Electric Vehicle Test Procedure," revised February 1976, into §§ 571.105; 571.135.

(7) SAE Standard J527a, "Brazed Double Wall Low Carbon Steel Tubing," revised May 1967, into § 571.116.

(8) SAE Recommended Practice J567b, "Bulb Sockets," revised April 1964, into § 571.108.

(9) SAE Recommended Practice J573d, "Lamp Bulbs and Sealed Units," revised December 1968, into § 571.108.

(10) SAE Recommended Practice J575-1983, "Tests for Motor Vehicle Lighting Devices and Components," revised July 1983, into § 571.131.

(11) SAE Recommended Practice J578, "Color Specification," revised May 1988, into § 571.131.

(12) SAE Recommended Practice J578-1995, "Color Specification," revised June 1995, into § 571.403.

(13) SAE Recommended Practice J592 JUN92, "Clearance, Side Marker, and Identification Lamps," revised June 1992, into § 571.121.

(14) SAE Recommended Practice J592e-1972, "Clearance, Side Marker, and Identification Lamps," revised July 1972, into §571.121.

(15) SAE Recommended Practice J602-1963, "Headlamp Aiming Device for Mechanically Aimable Sealed Beam Headlamp Units," reaffirmed August 1963, into §571.108.

(16) SAE Recommended Practice J602-1980, "Headlamp Aiming Device for Mechanically Aimable Sealed Beam Headlamp Units," revised October 1980, into §571.108.

(17) SAE Recommended Practice J673a, "Automotive Glazing," revised August 1967, into §571.205(a).

(18) SAE Recommended Practice J673, "Automotive Safety Glasses," revised April 1993, into §571.205.

(19) SAE Recommended Practice J726 SEP79, "Air Cleaner Test Code," revised April 1979, into §571.209.

(20) SAE Recommended Practice J759 JAN95, "Lighting Identification Code," revised January 1995, into §571.121.

(21) SAE Standard J787b, "Motor Vehicle Seat Belt Anchorage," revised September 1966, into §571.3.

(22) SAE Recommended Practice J800c, "Motor Vehicle Seat Belt Assembly Installations," revised November 1973, into §571.209.

(23) SAE Standard J826-1980, "Devices for Use in Defining and Measuring Vehicle Seating Accommodation," revised April 1980, into §§571.208; 571.214.

(24) SAE Standard J826 MAY87, "Devices for Use in Defining and Measuring Vehicle Seating Accommodation," revised May 1987, into §§571.3; 571.210.

(25) SAE Standard J826-1992, "Devices for Use in Defining and Measuring Vehicle Seating Accommodation," revised June 1992, into §571.225.

(26) SAE Standard J826 JUL95, "Devices for Use in Defining and Measuring Vehicle Seating Accommodation," revised July 1995, into §§571.10; 571.202; 571.202a; 571.216a.

(27) SAE Recommended Practice J839b, "Passenger Car Side Door Latch Systems," revised May 1965, into §571.201.

(28) SAE Recommended Practice J839-1991, "Passenger Car Side Door

Latch Systems," revised June 1991, into §571.206.

(29) SAE Recommended Practice J902, "Passenger Car Windshield Defrosting Systems," revised August 1964, into §571.103.

(30) SAE Recommended Practice J902a, "Passenger Car Windshield Defrosting Systems," revised March 1967 (Editorial change June 1967), into §571.103.

(31) SAE Recommended Practice J903a, "Passenger Car Windshield Wiper Systems," revised May 1966, into §571.104.

(32) SAE Recommended Practice J921, "Instrument Panel Laboratory Impact Test Procedure," approved June 1965, into §571.201.

(33) SAE Recommended Practice J941, "Passenger Car Driver's Eye Range," approved November 1965, into §571.104.

(34) SAE Recommended Practice J941b, "Motor Vehicle Driver's Eye Range," revised February 1969, into §571.108.

(35) SAE Recommended Practice J942, "Passenger Car Windshield Washer Systems," approved November 1965, into §571.104.

(36) SAE Recommended Practice J944 JUN80, "Steering Control System—Passenger Car—Laboratory Test Procedure," revised June 1980, into §571.203.

(37) SAE Standard J964 OCT84, "Test Procedure for Determining Reflectivity of Rear View Mirrors," reaffirmed October 1984, into §571.111.

(38) SAE Recommended Practice J972, "Moving Rigid Barrier Collision Tests," revised May 2000, into §571.105.

(39) SAE Recommended Practice J977, "Instrumentation for Laboratory Impact Tests," approved November 1966, into §571.201.

(40) SAE Recommended Practice J1100a, "Motor Vehicle Dimensions," revised September 1975, into §571.3.

(41) SAE Recommended Practice J1100 JUN84, "Motor Vehicle Dimensions," revised June 1984, into §§571.3; 571.210.

(42) SAE Recommended Practice J1100-1993, "Motor Vehicle Dimensions," revised June 1993, into §571.225.

(43) SAE Recommended Practice J1100, "Motor Vehicle Dimensions," revised February 2001, into §571.3.

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(44) SAE Recommended Practice J1133, "School Bus Stop Arm," revised April 1984, into §571.131.

(45) SAE Standard J1703b, "Motor Vehicle Brake Fluid," revised July 1970, into §571.116.

(46) SAE Standard J1703 NOV83, "Motor Vehicle Brake Fluid," revised November 1983, into §571.116.

(47) SAE RM-66-04, "Compatibility Fluid," Appendix B to SAE Standard J1703 JAN95, "Motor Vehicle Brake Fluid," revised January 1995, into §§571.106; 571.116.

(48) SAE Recommended Practice J2009, "Discharge Forward Lighting Systems," revised February 1993, into §571.108.

(49) SAE Aerospace-Automotive Drawing Standards, issued September 1963, into §§571.104; 571.202.

(1) United Nations Economic Commission for Europe (UNECE), United Nations, Conference Services Division, Distribution and Sales Section, Office C.115-1, Palais des Nations, CH-1211, Geneva 10, Switzerland. Web site: www.unece.org/trans/main/wp29/wp29regs.html.

(1) UNECE Regulation 17 "Uniform Provisions Concerning the Approval of Vehicles with Regard to the Seats, their Anchorages and Any Head Restraints": ECE 17 Rev. 1/Add. 16/Rev. 4 (July 31, 2002), into §571.202.

(2) UNECE Regulation 48 "Uniform Provisions Concerning the Approval of Vehicles With Regard to the Installation of Lighting and Light-Signaling Devices," E/ECE/324-E/ECE/TRANS/505, Rev.1/Add.47/Rev.1/Corr.2 (February 26, 1996), into §571.108.

[77 FR 752, Jan. 6, 2012]

EFFECTIVE DATE NOTES: 1. At 75 FR 28160, May 13, 2010, §571.5 was amended by revising paragraph (1)(4), effective May 13, 2013. For the convenience of the user, the revised text is set forth as follows:

§571.5 Matter incorporated by reference.

\* \* \* \* \*

(1) \* \* \*

(4) SAE Recommended Practice J211/1, revised March 1995, "Instrumentation for Impact Test—Part 1—Electronic Instrumentation" into §§571.202a; 571.208; 571.218; 571.403.

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2. At 77 FR 11647, Feb. 27, 2012, §571.5 was amended by redesignating paragraphs (d)(16) through (d)(37) as (d)(17) through (38) and adding a new paragraph (d)(16), effective Feb. 27, 2014. For the convenience of the user, the added text is set forth as follows:

§571.5 Matter incorporated by reference.

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(d) \* \* \*

(16) ASTM D1056-07, "Standard Specification for Flexible Cellular Materials—Sponge or Expanded Rubber," approved March 1, 2007, into §571.213.

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3. At 77 FR 51671, Aug. 24, 2012, §571.5 was amended by revising paragraph (d)(29), (32), (33), redesignating paragraphs (i) through (l) as paragraphs (j) through (m), and adding a new paragraph (i), effective Oct. 23, 2012. For the convenience of the user, the added and revised text is set forth as follows:

§571.5 Matter incorporated by reference.

\* \* \* \* \*

(d) \* \* \*

(29) ASTM E274-70, "Standard Method of Test for Skid Resistance of Paved Surfaces Using a Full-Scale Tire," revised July 1974, into §§571.105; 571.122a.

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(32) ASTM E1136-93 (Reapproved 2003), "Standard Specification for a Radial Standard Reference Test Tire," approved March 15, 1993, into §§571.105; 571.121; 571.122; 571.126; 571.135; 571.139; 571.500.

(33) ASTM E1337-90 (Reapproved 2008), "Standard Test Method for Determining Longitudinal Peak Braking Coefficient of Paved Surfaces Using a Standard Reference Test Tire," approved June 1, 2008, into §§571.105; 571.121; 571.122; 571.126; 571.135; 571.500.

\* \* \* \* \*

(i) International Organization for Standardization (ISO), 1, ch. de la Voie-Creuse, CP 56, CH-1211 Geneva 20, Switzerland. Telephone: +41 22 749 01 11. Fax: +41 22 733 34 30. Web site: http://www.iso.org/.

(1) ISO 7117:1995(E), "Motorcycles—Measurement of maximum speed," Second edition, March 1, 1995, into §571.122.

(2) [Reserved]

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